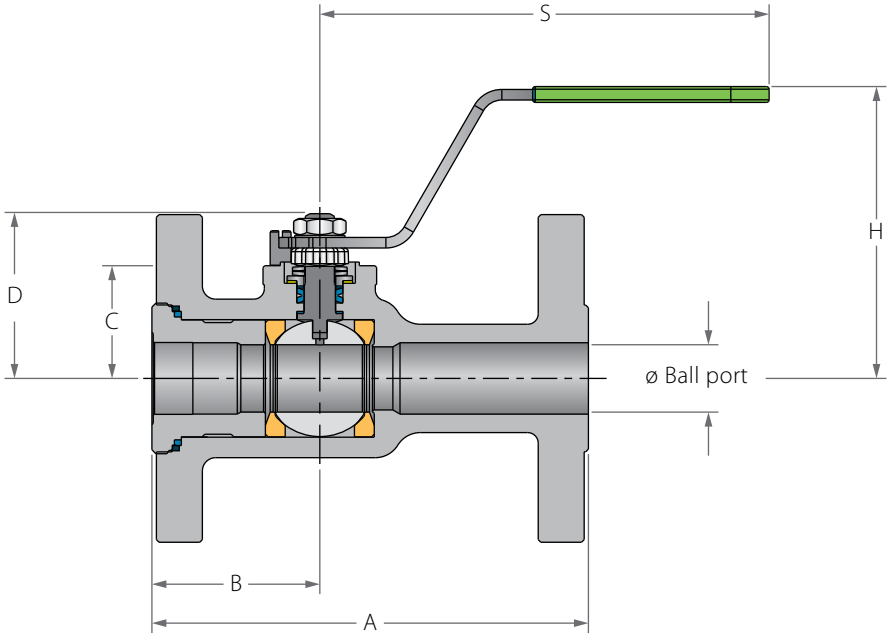
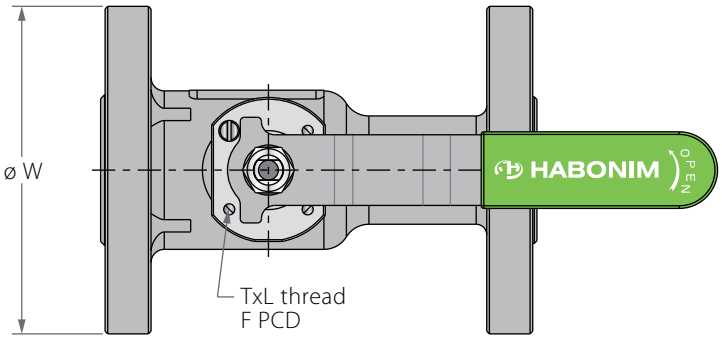
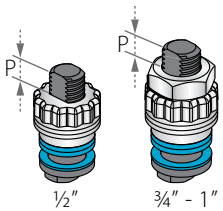
Floating Ball Flanged

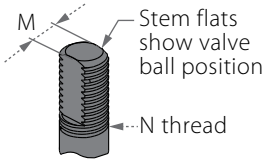
Valve dimensions





Preparation for actuation



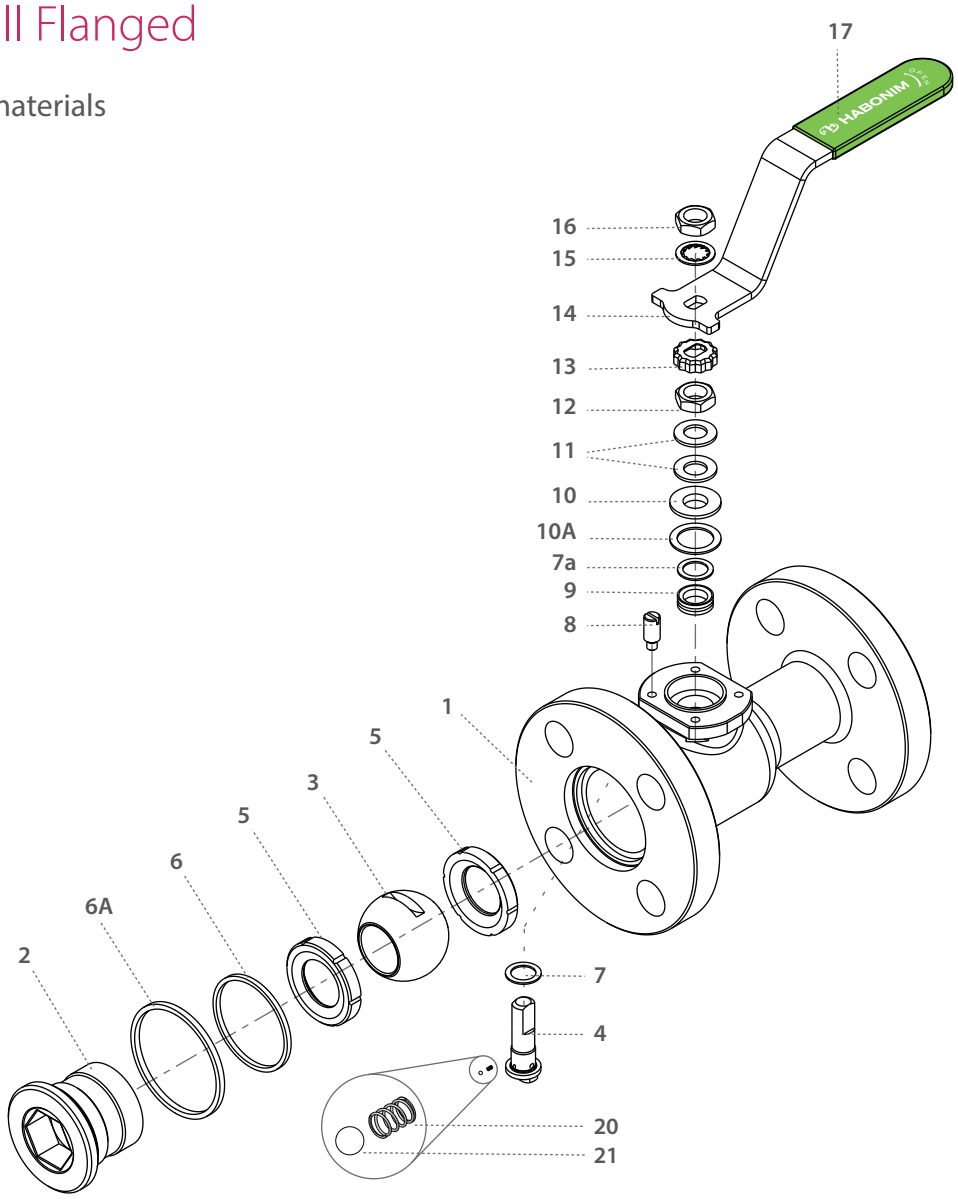


73 74																				
Std. port	Unit	Ball port	A		B	C	D	H	S	W		M	N	P	F		TxL	Weight kg/lb		Kv
			150	300						150	300							150	300	Cv
DN15	mm	14.3	108	140	47	31.40	40.5	94	151	89	95	5.54	1"-14	6.65	(F03)	36	M5x10	1.8	2.3	28
½"	inch	0.56	4.25	5.51	1.85	1.25	1.59	3.70	5.95	3.50	3.74	0.22	UNF-2A"	0.26		1.42		4	5.1	32
DN20	mm	20.6	117	152	57	38.20	55.6	103.5	170	98	117	7.54	1"-14	7.4	(F04)	42	M5x10	2.2	3.3	46
¾"	inch	0.81	4.61	5.98	2.24	1.50	2.19	4.08	6.69	3.86	4.61	0.30	UNF-2A"	0.29		1.65		4.8	7.3	53
DN25	mm	25.4	127	165	62	42.70	60.3	108	170	108	124	7.54	1"-14	7.4	(F04)	42	M5x10	3.2	4.6	80
1"	inch	1.00	5.00	6.50	2.44	1.68	2.37	4.25	6.69	4.25	4.88	0.30	UNF-2A"	0.29		1.65		7	10.1	93

78																			
Std. port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F		TxL	Weight kg/lb		Kv
			F1	F4													F1	F4	Cv
DN15	mm	14.3	130	115	48	31.50	40.5	98.6	151	95	5.54	1"-14	6.65	(F03)	36	M5x10	2.2	2.1	28
½"	inch	0.56	5.12	4.53	1.89	1.24	1.59	3.88	5.95	3.74	0.22	UNF-2A"	0.26		1.42		4.8	4.6	32
DN20	mm	20.6	150	120	58	38.30	56.5	105	170	105	7.54	1"-14	7.4	(F04)	42	M5x10	3.2	3	46
¾"	inch	0.81	5.91	4.72	2.28	1.51	2.22	4.13	6.69	4.13	0.30	UNF-2A"	0.29		1.65		7	6.6	53
DN25	mm	25.4	160	125	63.5	41.80	61	108	170	115	7.54	1"-14	7.4	(F04)	42	M5x10	4.2	4	80
1"	inch	1.00	6.30	4.92	2.50	1.65	2.40	4.25	6.69	4.53	0.30	UNF-2A"	0.29		1.65		9.2	8.8	93

Floating Ball Flanged

Components & materials



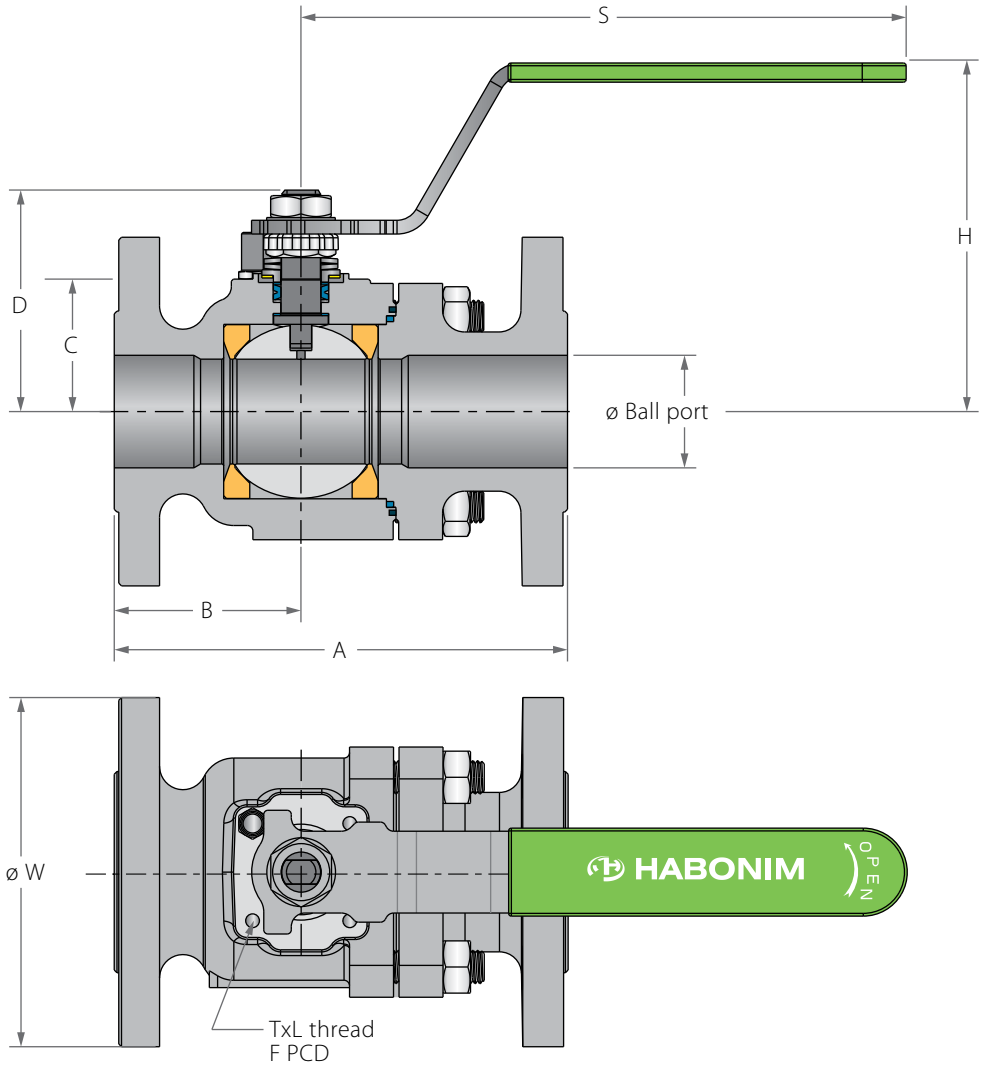
Item	Description	Material specification	Qty.
1	Body	Acc. Ordering Code	1
2	Insert	A351 CF8M, A216 WCB, A351 CN7M, A494	1
3	Ball	Acc. Ordering Code	1
4	Stem	Acc. Ordering Code	1
5*	Seat	Acc. Ordering Code	2
6*	Inner seal	PTFE	1
6A*	Outer seal	Acc. Ordering Code	1
7*	Stem thrust seal	VIRGIN PEEK, PCTFE (KEL-F)	1
7a*	Anti-abrasion ring	VIRGIN PEEK, PCTFE (KEL-F)	1
8	Stop pin	S. Steel	1
9*	Stem seal	CF PTFE, TFM	1
10	Follower	S. Steel	1

Item	Description	Material specification	Qty.
10A*	Slide bearing	S. Steel	1
11	Disc spring	S. Steel	2
12	Stem nut	S. Steel	1
13	Locking clip	S. Steel	1
14	Handle	S. Steel	1
15	Serrated washer	S. Steel	1
16	Handle nut	S. Steel	1
17	Sleeve	PVC	1
20	Anti-static spring	S. Steel	1
21	Anti-static plunger	S. Steel	1
23	Tag (not shown)	S. Steel	1

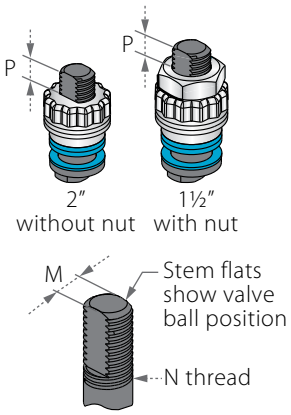
* Repair kit components

Floating Ball Flanged

Valve dimensions



Preparation for actuation

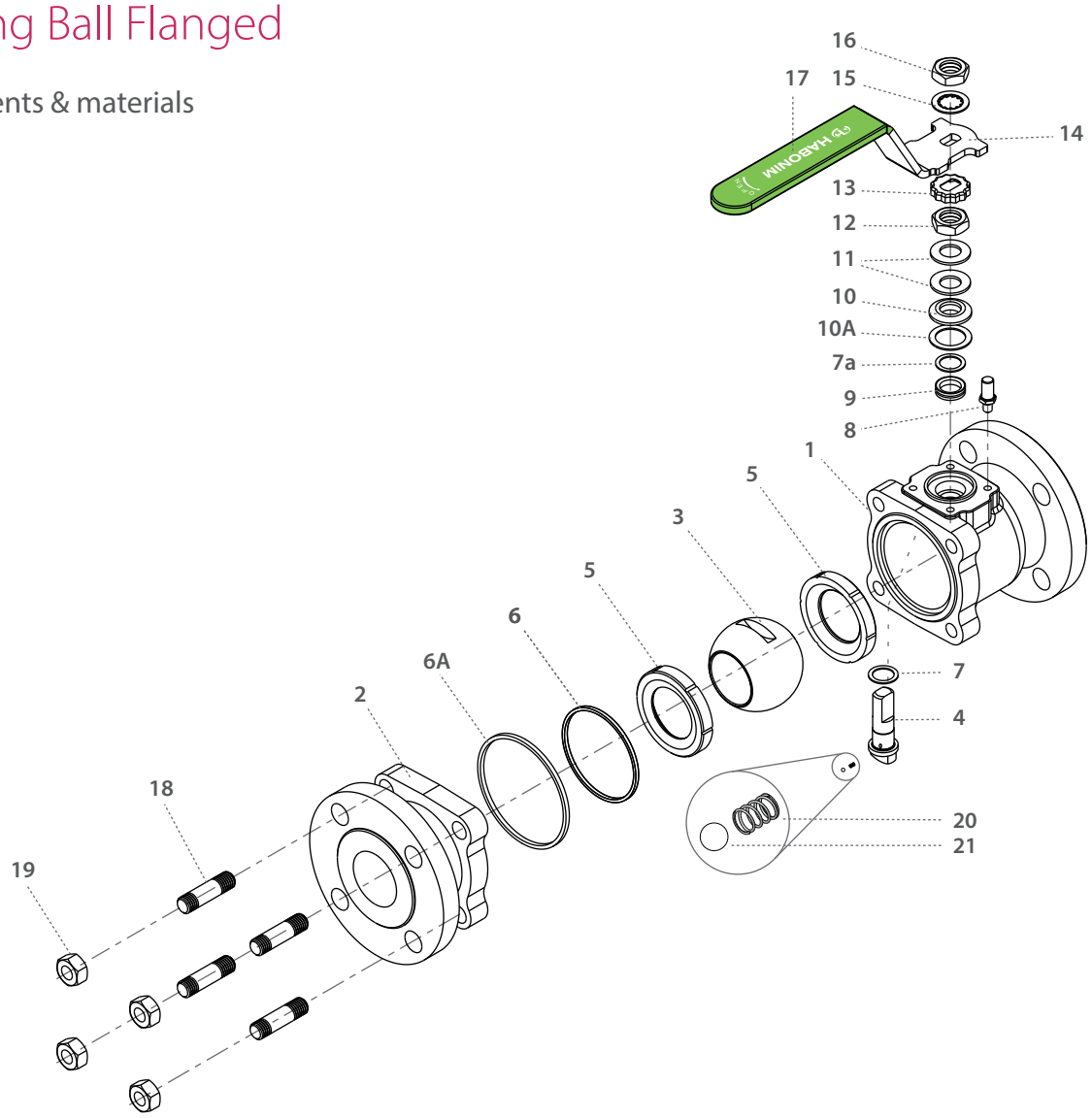


73 74																					
Std. port	Unit	Ball port	A		B		C	D	H	S	W		M	N	P	F		TxL	Weight kg/lb		Kv
			150	300	150	300					150	300							150	300	Cv
DN32	mm	31.8	140	178	59	-	49.00	73	120.5	220.1	115	135	8.71	5/16" UNF	8.5	(F05)	50	M6x12	-	-	-
1¼"	inch	1.25	5.51	7.00	2.32	-	1.92	2.87	4.74	8.66	4.53	5.31	0.34		0.33		1.97		-	-	-
DN40	mm	38.1	165	190	97	110	48.30	77.8	124	220.1	127	156	8.71	5/16" UNF	8.5	(F05)	50	M6x12	6.6	9.8	220
1½"	inch	1.50	6.50	7.50	3.82	4.33	1.90	30.60	4.88	8.66	5.00	6.14	0.34		0.33		1.97		14.5	21.5	255
DN50	mm	50	178	216	109	141	70.00	88	134.2	220.1	152	165	8.71	5/16" UNF	13.5	(F07)	70	M8x12	13	15	430
2"	inch	2.00	7.00	8.50	4.29	5.55	2.75	3.46	5.28	8.66	5.98	6.50	0.34		0.53		2.75		28.6	33	499

78																			
Std. port	Unit	Ball port	A		B	C	D	H	S	W	M	N	P	F		TxL	Weight kg/lb		Kv
			F1	F4													F1	F4	Cv
DN32	mm	31.8	180	130	56	49.00	73	121.4	220.1	140	8.71	5/16" UNF	8.5	(F05)	50	M6x12	-	-	-
1¼"	inch	1.25	7.10	5.11	2.20	1.92	2.87	4.78	8.66	5.51	0.34		0.33		1.97		-	-	-
DN40	mm	38.1	200	140	65.9	48.30	77.8	124	220.1	150	8.71	5/16" UNF	8.5	(F05)	50	M6x12	10.9	10.3	220
1½"	inch	1.50	7.87	5.51	2.59	1.90	30.60	4.88	8.66	5.91	0.34		0.33		1.97		24	22.7	255
DN50	mm	50	230	150	60.7	78.00	119	137.3	220.1	165	8.71	5/16" UNF	13.5	(F07)	70	M8x12	15	13	430
2"	inch	2.00	9.06	5.91	2.39	30.70	4.69	5.41	8.66	6.50	0.34		0.53		2.75		33	28.6	499

Floating Ball Flanged

Components & materials



Item	Description	Material specification	Qty.
1	Body	Acc. Ordering Code	1
2	End	Acc. Ordering Code	1
3	Ball	Acc. Ordering Code	1
4	Stem	Acc. Ordering Code	1
5*	Seat	Acc. Ordering Code	2
6*	Inner seal	PTFE	1
6A*	Outer seal	Acc. Ordering Code	1
7*	Stem thrust seal	VIRGIN PEEK, PCTFE (KEL-F)	1
7a*	Anti-abrasion ring	VIRGIN PEEK, PCTFE (KEL-F)	1
8	Stop pin	S. Steel	1
9*	Stem seal	CF PTFE, TFM	1
10	Follower	S. Steel	1
10A*	Slide bearing	S. Steel	1

Item	Description	Material specification	Qty.
11	Disc spring	S. Steel	2
12	Stem nut	S. Steel	1
13	Locking clip	S. Steel	1
14	Handle	S. Steel	1
15	Serrated washer	S. Steel	1
16	Handle nut	S. Steel	1
17	Sleeve	PVC	1
18	Body bolts	S. Steel	4
19	Body nuts	S. Steel	4
20	Anti-static spring	S. Steel	1
21	Anti-static plunger	S. Steel	1
23	Tag (not shown)	S. Steel	1

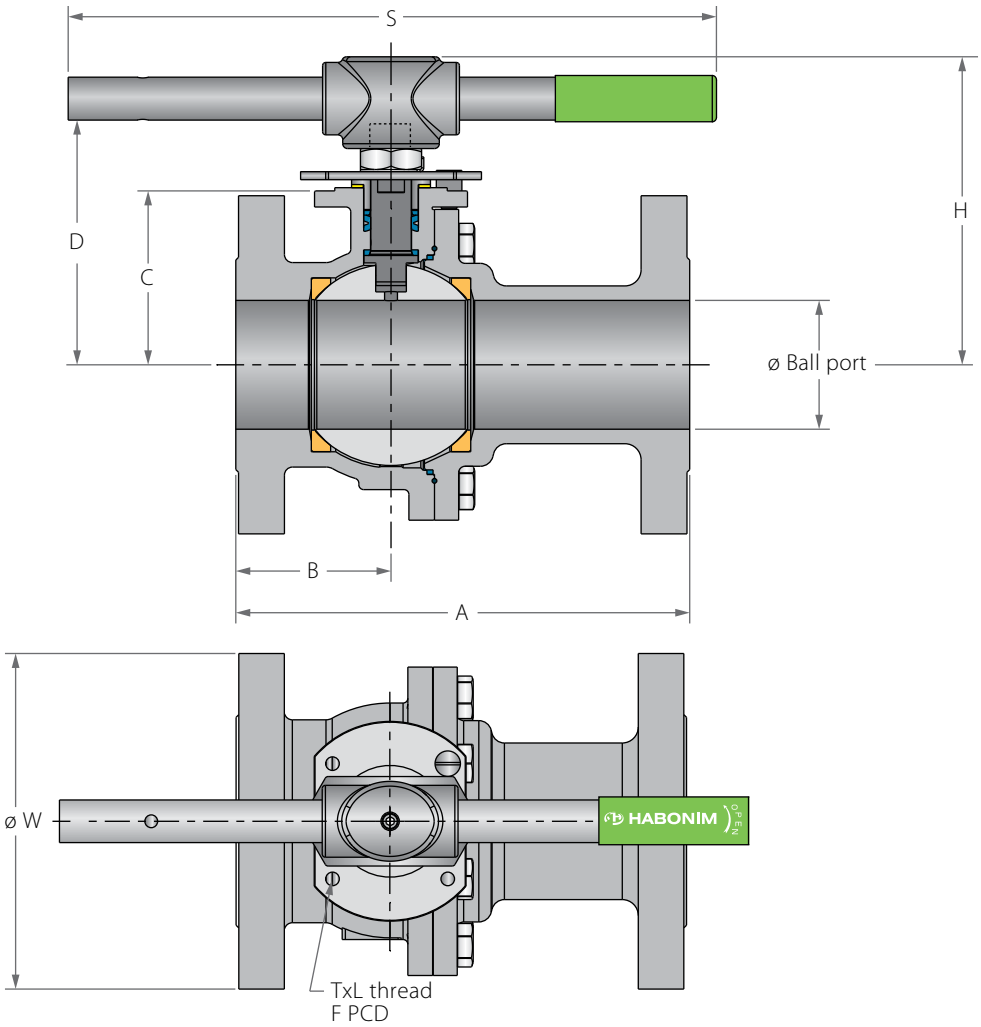
* Repair kit components

73 74 2½"-8" | DN65-DN200 | CLASS 150/300

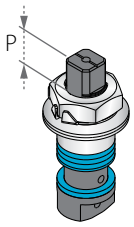
77 3"-8" | DN80-DN200 | PN 16 78 2½" | DN65 | PN40

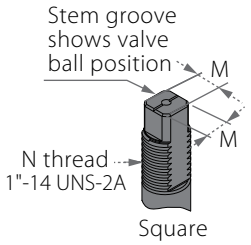
Floating Ball Flanged

Valve dimensions



Preparation for actuation





73 74 2½"-8"																						
Std. port	Unit	Ball port	A		B		C	D	H	S	W		M	M-DD	N	P	F		TxL	Weight kg/lb		Kv
			150	300	150	300					150	300								150	300	Cv
DN65	mm	65	190	241	83	-	119	165.5	194.8	400	180	190	18.9	15.9	1"-14	16.7	(F10)	102	M10x20	-	-	-
2½"	inch	2.56	7.48	9.48	3.26	-	4.76	6.51	7.67	15.75	7.08	7.48	0.74	0.63	UNS-2A	0.66		4.02		-	-	-
DN80	mm	80	203	282.5	77.5	96.4	108	154.6	194.8	400	191	210	18.9	15.9	1"-14	16.7	(F10)	102	M10x20	22	28.2	1111
3"	inch	3.20	7.99	11.12	3.05	3.80	4.25	6.09	7.67	15.75	7.52	8.27	0.74	0.63	UNS-2A	0.66		4.02		48.5	62.2	1300
DN100	mm	100	228.5	304.8	84.5	104.5	124	170.5	211	610	230	254	18.9	15.9	1"-14	16.7	(F10)	102	M10x20	39	44.5	2051
4"	inch	3.94	9.00	12.00	3.33	4.11	4.88	6.69	8.31	24.02	9.06	10.00	0.74	0.63	UNS-2A	0.66		4.02		86	98.1	2400
DN150	mm	150	394	403.5	163.5	174.5	179	248.5	308	916	279.4	328	28.45	23.75	1½"-12	26.2	(F12)	125	M12x20	82	100	4615
6"	inch	5.91	15.51	15.89	6.44	6.87	7.05	9.78	12.13	36.06	11.00	12.91	1.12	0.94	UNS-2A	1.03		4.92		180.8	220.5	5400
DN200	mm	200	457.2	502	242.5	241	241	353.7	-	-	460	460	35.92	35.92	2"-8	37.5	(F14)	140	M16x240	190	225	7949
8"	inch	7.87	18.00	19.76	9.55	9.49	9.49	19.93	-	-	18.11	18.11	1.41	1.41	UNS-2A	1.48		5.51		418.9	496	9300

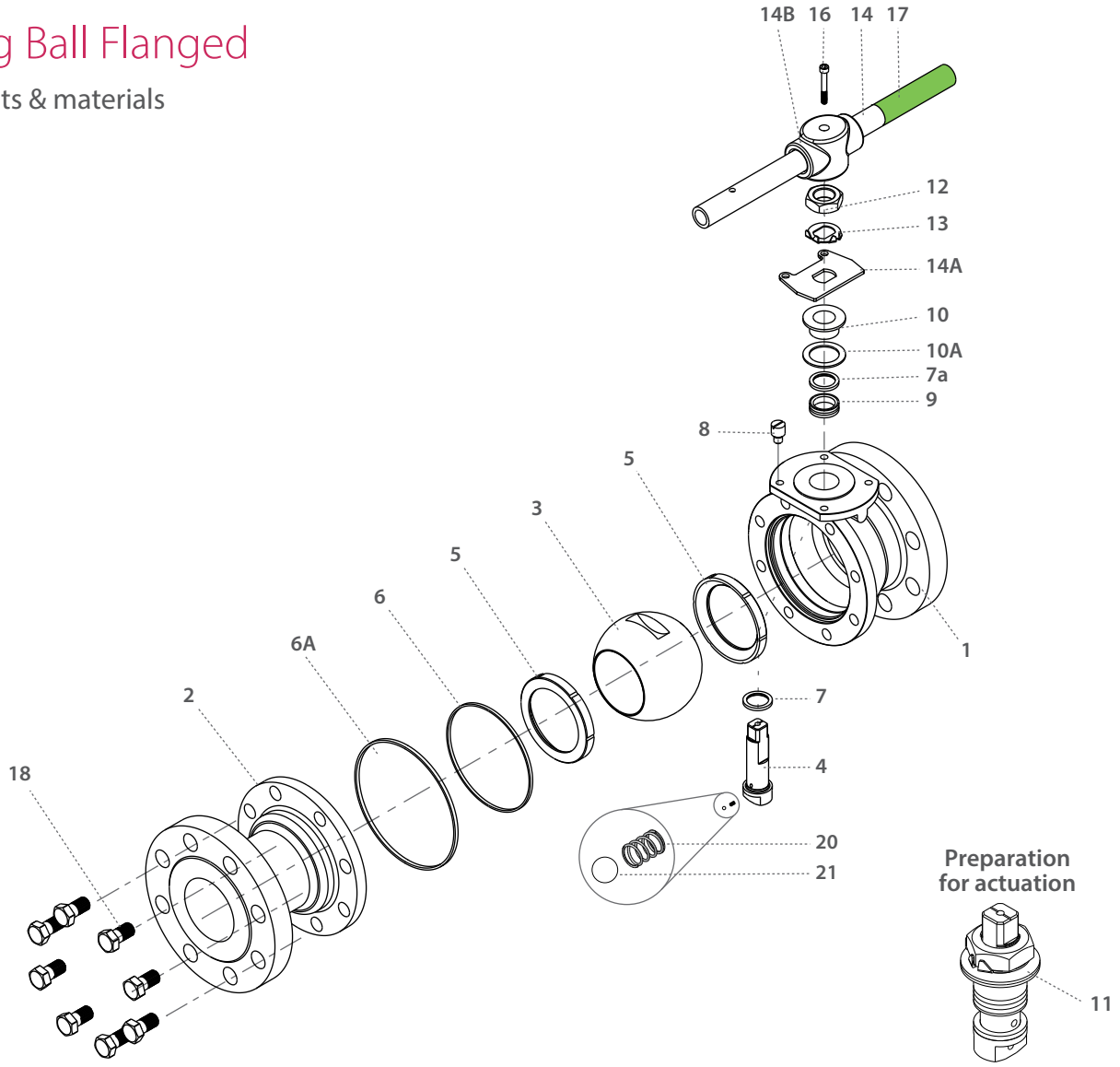
78 2½" 77 3"-8"																						
Std. port	Unit	Ball port	A_16/40		B		C_16/40	D_16/40	H	S	W_16/40	M	M-DD	N	P	F		TxL	Weight kg/lb		Kv
			F5/F1	F4	16	40													F5	F4	Cv
DN65	mm	65	-	170	83	70	119	165.5	194.8	400	185	18.9	15.9	1"-14	16.7	(F10)	102	M10X20	-	-	-
2½"	inch	2.56	-	6.69	3.26	2.75	4.68	6.51	7.67	15.75	7.28	0.74	0.63	UNS-2A	0.66		4.02		-	-	-
DN80	mm	80	-	180	77.5	-	108.00	162	194.8	400	200	18.9	15.9	1"-14	16.7	(F10)	102	M10X20	-	24	1111
3"	inch	3.20	-	7.09	3.05	-	4.25	6.40	7.67	15.75	7.87	0.74	0.63	UNS-2A	0.66		4.02		-	52.8	1300
DN100	mm	100	-	190	84.5	-	132.00	186	211	610	225	18.9	15.9	1"-14	16.7	(F10)	102	M10X20	-	30	2051
4"	inch	3.94	-	7.48	3.33	-	5.20	7.32	8.31	24.02	8.86	0.74	0.63	UNS-2A	0.66		4.02		-	66	2400
DN150	mm	150	350	-	163.5	-	178.00	236	308	916	328	28.45	23.75	1½"-12	26.2	(F12)	125	M12X20	63	-	4615
6"	inch	5.91	13.78	-	6.44	-	7.01	9.29	12.13	36.06	12.91	1.12	0.94	UNS-2A	1.03		4.92		139	-	5400
DN200	mm	200	400	-	242.5	-	226.00	286	-	-	395	35.92	35.92	2"-8	37.5	(F14)	140	M16X24	97	-	7949
8"	inch	7.87	15.75	-	9.55	-	8.91	11.26	-	-	15.55	1.41	1.41	UNS-2A	1.48		5.51		213	-	9300

73 74 2½"-8" | DN65-DN200 | CLASS 150/300

77 3"-8" | DN80-DN200 | PN 16 78 2½" | DN65 | PN40

Floating Ball Flanged

Components & materials



Item	Description	Material specification	Qty.
1	Body	Acc. Ordering Code	1
2	End	Acc. Ordering Code	1
3	Ball	Acc. Ordering Code	1
4	Stem	Acc. Ordering Code	1
5*	Seat	Acc. Ordering Code	2
6*	Inner seal	PTFE	1
6A*	Outer seal	Acc. Ordering Code	1
7*	Stem thrust seal	VIRGIN PEEK, PCTFE (KEL-F)	1
7a*	Anti-abrasion ring	VIRGIN PEEK, PCTFE (KEL-F)	1
8	Stop pin	S. Steel	1
9*	Stem seal	CF PTFE, TFM	1
10	Follower	S. Steel	1
10A*	Slide bearing	S. Steel	1
11	Disc spring	S. Steel	2

Item	Description	Material specification	Qty.
12	Stem nut	S. Steel	1
13	Tab lock washer	A240 304	1
14**	Handle	S. Steel	1
14A	Stop plate	S. Steel	1
14B	Wrench head	S. Steel	1
16	Wrench bolt	S. Steel	1
17	Sleeve	PVC	1
18	Body bolts	S. Steel	8-12
20	Anti-static spring	S. Steel	2
21	Anti-static plunger	S. Steel	2
23	Tag (not shown)	S. Steel	1

* Repair kit components

** Gear operator should be used for size 8" DN200 (handle components are not included)